

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of )  
 )  
 John P. Dalton )  
 )  
 Serial No. )  
 )  
 Filed: )  
 )  
 For: Vaccine Containing A )  
 Thiol Protease )

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
 Washington, D.C. 20231

Dear Sir:

Under the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant submits herewith Form PTO-1449 listing publications that the Office may wish to consider in examination of the subject application.

Pursuant to 1.98(d), copies of the references are not included because they are of record in prior application Serial No. 08/424,361, filed May 25, 1995.

Respectfully submitted,

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<i>Complete if Known</i>	
				Application Number	
				Filing Date	
				First Named Inventor	John P. Dalton
				Group Art Unit	
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	1181-281

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup> Code	Number <sup>4</sup>	Kind <sup>5</sup> (if known)			
	AA	WO	86/03680		National Research Development Corporation	07-03-1986	
	AB	WO	90/08819		Daratech Pty. Ltd.	08-09-1990	
	AC	WO	93/10225		The Colorado State University Research Foundation	05-27-1993	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code. <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

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Sheet	2	of	2	Attorney Docket Number	1181-281
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
	AD	Dowd et al., "Purification and characterization of a cysteine proteinase secreted by <i>Fasciola hepatica</i> ," <i>Biochemical Society Transactions</i> , February 1992, p. 86S, vol. 20, no. 1. Biochemical Society, London, U.K.			
	AE	Carmona et al., "A <i>Fasciola hepatica</i> cathepsin L. proteinase prevents the adherence of eosinophils to newly excysted juveniles," <i>Biochemical Society Transactions</i> , February 1992, page 85S, vol. 20, no. 1.			
	AF	Yamasaki et al., "A cysteine proteinase from the liver fluke <i>Fasciola</i> sp.: Purification, characterization, localization and application to immundiagnosis," <i>Jpn J. Parasitology</i> , December 1989, pp. 373-384, vol. 38, no. 6.			
	AG	Ishidow et al., "Molecular cloning and sequencing of cDNA for rat cathepsin L," <i>FEBS LETT</i> , October 19, 1987, pp. 69-73, vol. 223, no. 1. Elsevier Publishers, Amsterdam, NL.			
	AH	Dalton et al., "Thiol proteases released in vitro by <i>Fasciola hepatica</i> ," <i>Molecular and Biochemical Parasitology</i> , June 15, 1989, pp. 161-166, vol. 35, no. 2. Elsevier Science Publ., Amsterdam, NL.			
	AI	Hefferman et al., "Characterization of a cathepsin-B proteinase released by <i>Fasciola hepatica</i> (liver fluke)," <i>Biochemical Society Transactions</i> , February 1991, p. 27S, vol. 19, no. 1. Biochemical Society, London, UK.			
	AJ	Hefferman et al., "Analysis of <i>Fasciola hepatica</i> proteinases using zymotgrams," <i>Biochemical Society Transactions</i> , April 1989, p. 386, vol. 17, no. 2. Biochemical Society, London, UK.			
	AK	Harlow et al., <i>Antibodies, A Laboratory Manual</i> , 1988, pp. 96-111, Cold Spring Harbor Laboratory.			
Examiner Signature				Date Considered	

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